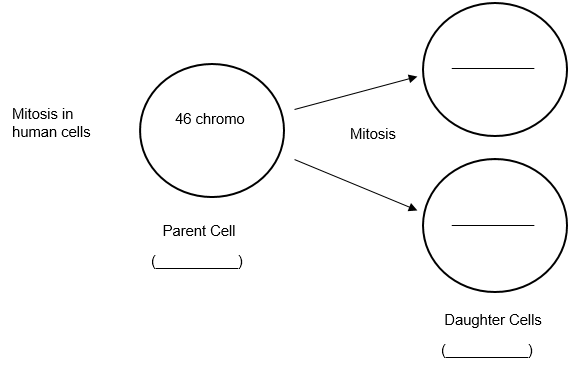
**Mitosis and Chromosome Number**

Pre-AP Biology, Mrs. Krouse

In mitosis, how does the number of chromosomes in the daughter cells compare with the number of chromosomes in the parent cell?

What types of cells are created through mitosis?



Metaphase in Parent Cell (if the parent cell has 4 chromosomes instead of 46)

Close-up of Chromosome A

What do A1 and A2 represent?

How many chromosomes and are they replicated?

Is this a diploid or haploid cell?

Anaphase in Parent Cell

How many chromosomes and are they replicated?

Is this a diploid or haploid cell?

Close-up of A1 and A2

What do A1 and A2 represent?

Daughter Cells in G1 of Interphase

*(The chromosomes should be uncoiled into chromatin at this point, but they are easier to see this way!)*

How many chromosomes and are they replicated?

Are these diploid or haploid cells?

Daughter Cells in S of Interphase

*(The chromosomes should be uncoiled into chromatin at this point, but they are easier to see this way!)*

What does “S” mean? What happens in this stage of interphase?

How many chromosomes and are they replicated?

Are these diploid or haploid cells?